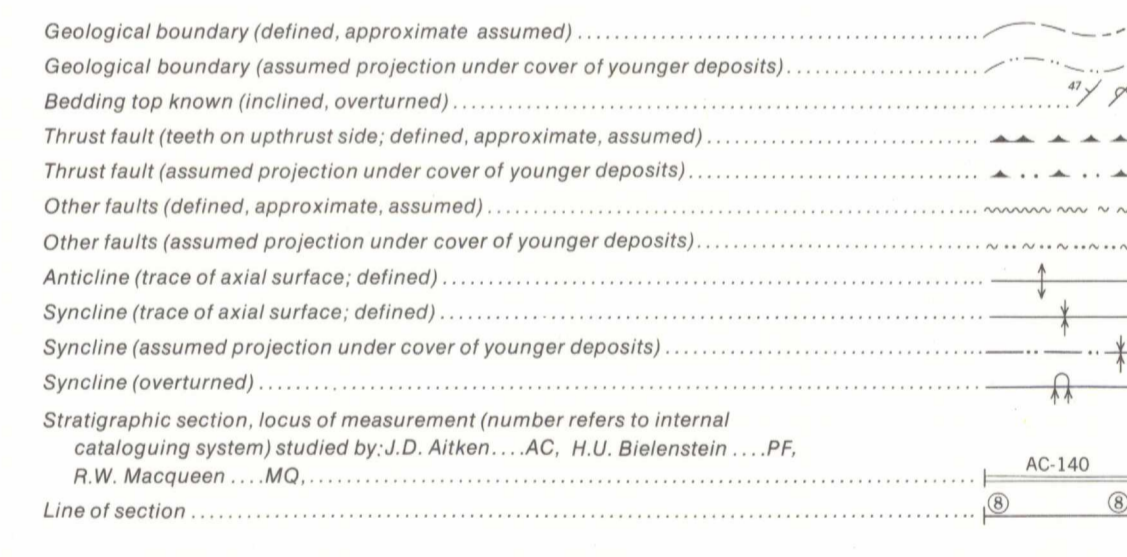


LEGEND

CENOZOIC	QUATERNARY	PLEISTOCENE AND RECENT	ORDOVICIAN
	Qsi	Snowfields and glaciers (boundaries replotted from vertical air photographs)	Ooc
MESOZOIC	Qd	Till, alluvium, colluvium	Osk
	JKk	KOOTENAY FORMATION: sandstone, grey and black, carbonaceous and limonitic; siltstone, mudstone and shale, black, carbonaceous; coal	Oou
	Jf	FERRIE GROUP: shale, dark grey to black; siltstone, sandstone and platy, silty, argillaceous limestone, dark grey; quartz sandstone, brown, limonitic	€Dsp
	Rwh	SPRAY RIVER GROUP (Rsm, Twh)	CAMBRIAN AND ORDOVICIAN
	Rsm	WHITEHORSE FORMATION: siltstone and sandstone, light grey, dolomitic; mudstone and siltstone, red, green, and brown; limestone and dolomite breccia	SURVEY PEAK FORMATION: shale, grey, calcareous; interbedded with limestone, partly dense, partly fragmental, partly stromatolitic; minor chert; basal shales, calcareous, grey to olive, weathering pale greenish grey; with minor limestone, mainly flat-pebble conglomerate; and siltstone
	Tsm	SULPHUR MOUNTAIN FORMATION: siltstone, dark grey and brown, thin-bedded; silty mudstone, shale, and dolomitic siltstone	CAMBRIAN
	PPrm	ROCKY MOUNTAIN GROUP: light grey quartz sandstone, dolomitic sandstone, silty dolomite, chert	UPPER CAMBRIAN
	Mmh	MOUNT HEAD FORMATION: dense dark grey limestone and argillaceous dolomite; grey limestone and calcarenitic limestone; cherty and silty dolomite and limestone	€mi
	Mtv	TURNER VALLEY FORMATION: light grey skeletal calcarenite and calcarenitic limestone; cherty limestone; dolomite	€bc
	Msh	SHUNDA FORMATION: light to dark grey dense limestone, calcarenitic limestone, and cherty dolomite	€li
Mpk	PEKISKO FORMATION: light grey skeletal calcarenite, calcarenitic limestone, cherty limestone, and dolomite	€su	
Mbf	EXSHAW AND BANFF FORMATIONS: dark grey, finely crystalline, thin-bedded limestone; dark brownish grey shale and calcareous shale; brown argillaceous siltstone; argillaceous and cherty skeletal calcarenitic limestone, and argillaceous dolomite	€w	
PALEOZOIC	Dpa	PALLISER FORMATION: thickly bedded and massive, mottled, dolomitic limestone; grey dense limestone, greyish-brown dolomite	MIDDLE AND UPPER CAMBRIAN
	Dax	ALEXO FORMATION: thinly bedded, silty dolomite, dolomitic sandstone, light grey dolomite, and breccia	WATERFOWL FORMATION: limestone, mainly dense, with dolomite partings and mottling, partly silty and sandy; dolomitic equivalents; minor siltstone and sandstone
	Dsx	FAIRHOLME GROUP	MIDDLE CAMBRIAN
	Dsm	SOUTHSK FORMATION: light grey, coarsely crystalline, vuggy dolomite; light grey, thick-bedded, granular limestone; brown dolomite with corals and Amphipora	ARCTOMYS FORMATION: shale, purple-red, green, and grey; interbedded with siltstone, grey, yellow, dolomitic; minor orange-weathering dolomite
	Dmh	MOUNT HAWK FORMATION: mudstone, grey to brown with calcareous mudstone nodules; limestone, argillaceous, thin-bedded, with brachiopods and corals	PIKA FORMATION: limestone, mainly dense, flaggy, with partings of dense dolomite; minor flat-pebble conglomerate and oolite; dolomitic equivalents; minor shale near the base
	Dcn	CAIRN FORMATION: massive to thickly bedded, dark brownish grey, medium crystalline dolomite with Amphipora and stromatopora; beds; dark grey limestone; dolomitic limestone and dolomite in the lower part	ELDON FORMATION: limestone, mainly dense, dolomite-mottled, massive; dolomite, finely to coarsely crystalline, largely mottled, largely or entirely secondary
	Dfl	FLUME AND MALIGNE FORMATIONS: limestone, cherty, finely crystalline, with stromatopora and brachiopods; limestone, dark grey, argillaceous, thin-bedded (in Structure Section only)	STEPHEN FORMATION: shale, grey to green; interbedded with limestone, partly dense, flaggy with dolomite partings, partly fragmental; minor oolite
			CATHEDRAL FORMATION: limestone, mainly dense, dolomite-mottled, massive; dolomitic equivalents, mainly mottled
			MOUNT WHYTE FORMATION: shale, greenish-grey; interbedded with siltstone, green to grey, and limestone, mainly fragmental, partly oolitic
			LOWER CAMBRIAN
PROTEROZOIC			GOG GROUP: mainly quartzite and quartzose sandstone, white, grey and red, thick-bedded; minor thinly interbedded sandstone, siltstone and grey shale
			UPPER PROTEROZOIC (HADRYNIAN)



Geology by R.A. Price and E.W. Mountjoy based on studies of vertical air photographs (1964-1975); ground and air observations by J.D. Aitken, H.U. Bilenstein, D.G. Cook, E.W. Mountjoy and R.A. Price (1964-1966) and on a report on "Normal faulting in the Indianhead area, Alberta" by T.A. Birnie (J. Alberta Soc. Petrol. Geologists, v. 9, no. 11, p. 331-342, 1961)

Geological cartography by G.S. Whitman, Institute of Sedimentary and Petroleum Geology, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

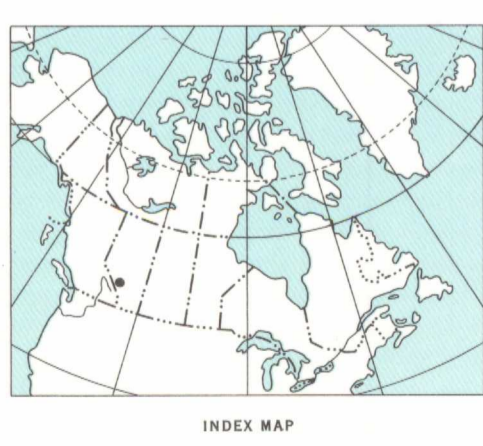
Base-map at the same scale published by the Surveys and Mapping Branch in 1961

Copies of the topographical edition of this map may be obtained from the Canada Map Office, 615 Booth Street, Ottawa, Ontario K1A 0E9

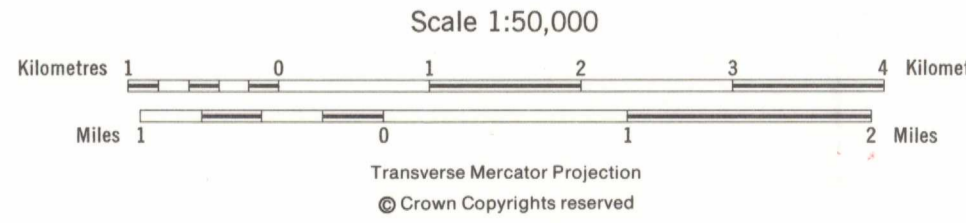
Approximate magnetic declination 1977, 22° 21' East, decreasing 5.4' annually

Elevations in feet above mean sea level

Copies of this map may be obtained from the Geological Survey of Canada, 601 Booth Street, Ottawa, Ontario K1A 0E8, 3303 - 33rd Street N.W., Calgary, Alberta T2L 2A7



MAP 1465A
 GEOLOGY
SIFFLEUR RIVER
 (East Half)
 WEST OF FIFTH MERIDIAN
 ALBERTA



83C/2	83C/1	83B/4
1388A	1388A	46-22A
82N/15	82N/16	82O/13
1466A	1465A	1276A
82N/10	82N/9	82O/12
1464A	1463A	1274A

NOT TO BE TAKEN FROM LIBRARY
 NE PAS SORTIR DE LA BIBLIOTHÈQUE



1465A